

Table 119. Energy Consumption Estimates by Source, Selected Years 1960-1997, Kentucky

Year	Coal ^a	Natural Gas ^b	Petroleum											Nuclear Electric Power	Hydro-electric Power ^d		Net Interstate Flow of Electricity/Losses ^g	Total ^h	
			Asphalt & Road Oil ^a	Aviation Gasoline ^a	Distillate Fuel ^a	Jet Fuel ^a	Kerosene ^a	LPG ^a	Lubricants ^a	Motor Gasoline	Residual Fuel ^a	Other ^{a,c}	Total						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels											Million kWh	Biomass ^e	Other ^{a,f}	Million kWh		
1960	12,006	149	1,482	652	4,850	497	1,585	4,152	544	21,535	337	2,556	38,188	0	2,633	-	38,952	-	
1965	17,584	172	2,112	1,052	5,567	1,284	2,375	5,869	755	25,780	600	4,382	49,776	0	2,464	-	1,224	-	
1970	23,558	248	3,090	330	8,211	3,089	3,094	9,564	842	33,581	1,063	7,672	70,536	0	3,174	-	-26,029	-	
1975	25,556	208	2,622	129	10,924	2,150	1,577	10,977	1,048	40,816	2,169	9,178	81,589	0	3,463	-	8,996	-	
1980	27,728	202	2,021	112	22,906	2,897	2,912	10,223	1,057	39,829	1,012	13,775	96,744	0	2,940	-	-2,827	-	
1985	31,066	173	1,872	66	21,768	3,434	1,507	5,539	962	39,924	622	7,509	83,202	0	2,941	-	-21,176	-	
1986	32,185	167	2,285	85	20,417	3,549	1,088	5,118	940	42,518	739	6,992	83,732	0	2,734	-	-37,637	-	
1987	32,085	172	2,701	62	20,534	4,827	649	6,750	1,063	43,068	852	8,555	89,061	0	2,948	-	-35,172	-	
1988	35,263	184	2,616	62	24,693	4,985	977	6,719	1,025	44,133	569	8,988	94,766	0	2,423	-	-46,481	-	
1989	32,889	189	2,764	53	28,135	5,071	943	6,329	1,052	43,428	474	8,816	97,066	0	NA	-	R -20,163	-	
1990	34,449	184	3,032	51	23,408	5,713	567	6,154	1,082	43,040	545	9,749	93,341	0	NA	-	R -24,478	-	
1991	34,517	187	2,801	51	22,666	6,368	551	6,709	968	43,766	458	18,234	102,573	0	NA	-	R -20,537	-	
1992	34,704	190	2,537	55	25,603	6,882	505	6,427	987	44,786	422	20,910	109,113	0	NA	-	R -17,526	-	
1993	39,095	203	2,550	40	27,952	5,705	612	5,815	1,005	45,756	336	19,702	109,473	0	NA	-	-39,623	-	
1994	38,090	208	2,843	46	28,041	6,343	562	5,673	1,050	46,180	329	20,458	111,526	0	NA	-	R -25,733	-	
1995	39,516	224	2,778	44	29,108	6,305	647	5,607	1,032	48,104	204	19,868	113,698	0	NA	-	R -24,544	-	
1996	40,862	236	2,714	47	28,350	5,590	670	6,620	1,002	43,543	247	21,283	110,068	0	NA	-	R -25,032	-	
1997	42,228	228	3,417	28	29,335	4,556	735	6,688	1,058	50,174	169	21,898	118,058	0	NA	-	-34,554	-	
Trillion Btu																			
1960	286.6	153.8	9.8	3.3	28.2	2.7	9.0	16.7	3.3	113.1	2.1	15.2	203.4	0.0	28.3	R 22.4	0.0	132.9	R 827.5
1965	415.5	176.7	14.0	5.3	32.4	7.2	13.5	23.5	4.6	135.4	3.8	25.1	264.8	0.0	25.8	R 21.7	0.0	4.2	R 908.6
1970	527.0	252.3	20.5	1.7	47.8	17.4	17.5	36.1	5.1	176.4	6.7	43.9	373.1	0.0	33.3	R 23.7	0.0	-88.8	R 1,120.7
1975	558.3	209.2	17.4	0.6	63.6	12.1	8.9	40.8	6.4	214.4	13.6	52.7	430.6	0.0	36.0	R 30.8	0.0	30.7	R 1,295.7
1980	641.7	204.1	13.4	0.6	133.4	16.3	16.5	37.6	6.4	209.2	6.4	77.8	517.6	0.0	30.5	R 21.0	0.0	-9.6	R 1,405.3
1985	716.9	177.7	12.4	0.3	126.8	19.3	8.5	20.0	5.8	209.7	3.9	43.8	450.7	0.0	30.7	R 37.0	0.0	-72.3	R 1,340.8
1986	749.9	173.5	15.2	0.4	118.9	20.0	6.2	18.6	5.7	223.3	4.6	41.3	454.4	0.0	28.6	R 44.8	0.0	-128.4	R 1,322.7
1987	746.7	178.3	17.9	0.3	119.6	27.3	3.7	24.7	6.4	226.2	5.4	50.3	481.8	0.0	30.7	R 40.9	0.0	-120.0	R 1,358.4
1988	821.8	190.9	17.4	0.3	143.8	28.2	5.5	24.5	6.2	231.8	3.6	52.9	514.3	0.0	25.0	R 42.5	0.0	-158.6	R 1,435.9
1989	765.0	195.9	18.3	0.3	163.9	28.7	5.3	23.3	6.4	228.1	3.0	51.7	529.0	0.0	45.9	R 41.4	R 0.2	R -68.8	R 1,507.1
1990	804.3	191.7	20.1	0.3	136.4	32.3	3.2	22.3	6.6	226.1	3.4	57.3	507.9	0.0	32.9	R 26.8	R 0.2	-83.5	R 1,478.5
1991	804.6	196.3	18.6	0.3	132.0	36.0	3.1	24.2	5.9	229.9	2.9	103.2	556.1	0.0	R 38.2	R 27.6	R 0.3	-70.1	R 1,551.4
1992	813.6	200.9	16.8	0.3	149.1	38.9	2.9	23.3	6.0	235.3	2.7	118.2	593.5	0.0	39.0	R 29.2	R 0.3	-59.8	R 1,614.8
1993	922.4	213.1	16.9	0.2	162.8	32.3	3.5	21.0	6.1	240.4	2.1	111.1	596.4	0.0	32.5	R 26.8	R 0.3	-135.2	R 1,654.3
1994	897.5	221.3	18.9	0.2	163.3	35.9	3.2	20.6	6.4	242.6	2.1	115.5	608.6	0.0	41.4	R 26.7	R 0.4	-87.8	R 1,707.3
1995	927.6	245.6	18.4	0.2	169.6	35.7	3.7	20.3	6.3	252.7	1.3	112.2	620.4	0.0	35.3	R 28.2	R 0.4	R -83.7	R 1,773.3
1996	951.8	248.0	18.0	0.2	165.1	31.7	3.8	23.9	6.1	228.7	1.6	119.9	599.1	0.0	R 36.1	R 28.9	R 0.5	-85.4	R 1,778.6
1997	985.2	239.3	22.7	0.1	170.9	25.8	4.2	24.2	6.4	263.6	1.1	123.4	642.4	0.0	34.9	25.9	0.5	-117.9	1,809.6

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels.

^c "Other" is the subtotal of 16 petroleum products consumed in the industrial sector. See a full description in Appendix A, Section 4, "Other Petroleum Products."

^d If applicable, through 1988, includes all net imports of electricity, and, from 1989, includes only the portion of imports of electricity that is derived from hydroelectric power.

^e "Biomass" is wood, waste, and ethanol. Ethanol blended into motor gasoline is included in motor gasoline and total petroleum. It is also included in the biomass series to give complete biomass data, but it is counted only once in the energy total.

^f "Other" is geothermal, wind, photovoltaic, and solar thermal energy. See Appendix A, Section 5, for explanation of estimation methodology.

^g Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number

indicates that more electricity (including associated losses) came into the State than went out of the State during the year; conversely, a negative number indicates that more electricity (including associated losses) went out of the State than came into the State.

^h From 1989, "Total" does not equal the sum of the columns. Ethanol (which is shown in the transportation sector table) is included in both motor gasoline and biomass data in this table but only once in the total. Net imports of electricity generated from nonrenewable energy sources (shown in appendix Table A8) is included in the total in this table but not in any other columns.

ⁱ There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 120. Residential Energy Consumption Estimates, Selected Years 1960-1997, Kentucky

Year	Coal			Natural Gas ^b	Petroleum				Wood	Geothermal	Solar ^c	Electricity ^a	Million Kilowatthours	Net Energy	Electrical System Energy Losses ^d									
	Bituminous Coal and Lignite ^a	Anthracite ^a	Total		Distillate Fuel ^a	Kerosene ^a	LPG ^a	Total																
	Billion Cubic Feet				Thousand Barrels																			
Year	Thousand Short Tons				Billion Cubic Feet																			
1960	237	29	266	63	242	897	1,396	2,534	R 744	—	—	2,760	—	6,866	—									
1965	157	18	176	64	278	1,653	1,594	3,526	R 562	—	—	3,763	—	8,984	—									
1970	179	11	190	86	403	2,077	3,356	5,836	R 505	—	—	6,987	—	16,932	—									
1975	99	6	105	79	442	1,073	3,740	5,255	R 542	—	—	9,586	—	23,122	—									
1980	98	4	102	74	820	1,751	2,063	4,633	R 483	—	—	13,075	—	31,794	—									
1985	87	0	87	60	824	833	1,586	3,244	R 1,197	—	—	14,539	—	34,159	—									
1986	102	0	102	59	682	672	1,649	3,003	R 1,165	—	—	15,307	—	35,210	—									
1987	100	2	101	59	760	446	2,358	3,564	R 974	—	—	16,080	—	36,742	—									
1988	127	(s)	127	64	887	645	2,146	3,678	R 1,012	—	—	16,811	—	38,006	—									
1989	83	(s)	83	65	745	583	2,223	3,551	R 1,050	—	—	16,922	—	R 38,021	—									
1990	53	(s)	53	56	644	321	1,825	2,791	683	—	—	16,814	—	R 36,775	—									
1991	65	(s)	65	59	703	378	2,152	3,233	719	—	—	18,644	—	R 40,587	—									
1992	74	(s)	74	62	769	365	2,027	3,160	757	—	—	17,787	—	R 37,992	—									
1993	92	2	94	67	779	396	2,347	3,522	573	—	—	19,223	—	40,615	—									
1994	99	1	100	63	816	390	2,270	3,477	R 562	—	—	19,481	—	R 40,651	—									
1995	46	0	46	66	781	415	2,260	3,455	R 624	—	—	20,537	—	R 42,785	—									
1996	41	0	41	70	672	438	2,689	3,799	622	—	—	21,353	—	R 44,441	—									
1997	124	(s)	124	66	697	486	2,689	3,871	453	—	—	20,998	—	43,608	—									
Trillion Btu																								
1960	5.8	0.7	6.5	65.2	1.4	5.1	5.6	12.1	R 14.9	0.0	0.0	9.4	R 108.1	23.4	R 131.5									
1965	3.8	0.4	4.3	65.9	1.6	9.4	6.4	17.4	R 11.2	0.0	0.0	12.8	R 111.6	30.7	R 142.3									
1970	4.2	0.3	4.4	87.9	2.3	11.8	12.7	26.8	R 10.1	0.0	0.0	23.8	R 153.1	57.8	R 210.9									
1975	2.3	0.1	2.4	79.8	2.6	6.1	13.9	22.6	R 10.8	0.0	0.0	32.7	R 148.3	78.9	R 227.2									
1980	2.3	0.1	2.4	74.9	4.8	9.9	7.6	22.3	R 9.7	0.0	0.0	44.6	R 153.9	108.5	R 262.4									
1985	2.1	0.0	2.1	61.9	4.8	4.7	5.7	15.2	R 23.9	0.0	0.0	49.6	R 152.8	116.6	R 269.4									
1986	2.5	0.0	2.5	61.6	4.0	3.8	6.0	13.8	R 23.3	0.0	0.0	52.2	R 153.5	120.1	R 273.6									
1987	2.4	(s)	2.5	61.3	4.4	2.5	8.6	15.6	R 19.5	0.0	0.0	54.9	R 153.7	125.4	R 279.1									
1988	3.1	(s)	3.1	66.4	5.2	3.7	7.8	16.7	R 20.2	0.0	0.0	57.4	R 163.8	129.7	R 293.4									
1989	2.0	(s)	2.0	67.6	4.3	3.3	8.2	15.8	R 21.0	e 0.2	R e (s)	57.7	R e 164.4	129.7	R e 294.1									
1990	1.3	(s)	1.3	58.3	3.8	1.8	6.6	12.2	13.7	0.2	(s)	57.4	R 143.1	125.5	R 268.5									
1991	1.6	(s)	1.6	62.3	4.1	2.1	7.8	14.0	14.4	0.3	(s)	63.6	R 156.1	138.5	R 294.6									
1992	1.8	(s)	1.8	65.5	4.5	2.1	7.3	13.9	15.1	0.3	(s)	60.7	R 157.3	129.6	R 287.0									
1993	2.3	(s)	2.3	70.1	4.5	2.2	8.5	15.2	11.5	0.3	(s)	65.6	R 165.1	138.6	R 303.6									
1994	2.5	(s)	2.5	66.4	4.8	2.2	8.3	15.2	11.2	0.3	(s)	66.5	R 162.1	138.7	R 300.8									
1995	1.1	0.0	1.1	72.5	4.5	2.4	8.2	15.1	12.5	0.3	(s)	70.1	R 171.6	146.0	R 317.6									
1996	1.0	0.0	1.0	73.7	3.9	2.5	9.7	16.1	12.4	0.3	(s)	72.9	R 176.4	151.6	R 328.0									
1997	2.9	(s)	2.9	69.4	4.1	2.8	9.7	16.5	9.1	0.3	(s)	71.6	169.8	148.8	318.6									

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels.

^c Includes small amounts of solar energy consumed by the commercial sector that cannot be separately identified. See Appendix A, Section 5, for explanation of estimation methodology.

^d Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^e There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of

non-electric utility use of renewable energy beginning in 1989.

R=Revised data.

—=Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 121. Commercial Energy Consumption Estimates, Selected Years 1960-1997, Kentucky

Year	Coal			Natural Gas ^b	Petroleum						Wood	Electricity ^a	Electrical System Energy Losses ^c			
	Bituminous Coal and Lignite ^a	Anthracite ^a	Total		Distillate Fuel ^a	Kerosene ^a	LPG ^a	Motor Gasoline	Residual Fuel ^a	Total						
	Thousand Short Tons			Billion Cubic Feet	Thousand Barrels						Thousand Cords	Geothermal	Million Kilowatthours	Net Energy	Million Kilowatthours	Total ^d
1960	440	19	460	18	501	176	246	336	4	1,263	R 14	-	1,590	-	3,955	-
1965	292	12	305	21	576	325	281	268	8	1,459	R 11	-	2,166	-	5,171	-
1970	332	7	339	42	835	408	592	263	11	2,110	R 9	-	3,465	-	8,396	-
1975	183	4	187	38	915	211	660	275	7	2,069	R 10	-	6,489	-	15,652	-
1980	182	3	185	39	2,632	622	364	250	19	3,887	R 12	-	8,432	-	20,504	-
1985	162	0	162	34	1,521	92	280	377	1	2,271	NA	-	9,465	-	22,237	-
1986	190	0	190	33	1,024	149	291	404	32	1,900	NA	-	9,913	-	22,803	-
1987	185	1	186	33	533	67	416	419	1	1,436	NA	-	10,248	-	23,415	-
1988	235	(s)	235	36	976	143	379	404	39	1,940	NA	-	10,821	-	24,464	-
1989	154	(s)	154	36	649	164	392	393	(s)	1,598	NA	-	11,392	-	R 25,596	-
1990	98	(s)	98	32	656	94	322	445	(s)	1,517	NA	-	11,740	-	R 25,678	-
1991	121	(s)	122	34	716	102	380	319	0	1,516	NA	-	12,610	-	R 27,451	-
1992	138	(s)	138	35	878	58	358	277	0	1,570	NA	-	12,198	-	R 26,054	-
1993	171	1	172	38	662	78	414	40	2	1,197	R 46	-	12,606	-	26,634	-
1994	184	1	185	37	988	73	401	40	2	1,503	R 47	-	12,956	-	R 27,035	-
1995	85	0	85	39	1,203	117	399	42	0	1,762	R 47	-	13,521	-	R 28,168	-
1996	76	0	76	41	1,209	111	475	40	(s)	1,835	R 51	-	13,736	-	R 28,587	-
1997	230	(s)	230	39	989	113	475	40	0	1,617	44	-	15,238	-	31,645	-
Trillion Btu																
1960	10.7	0.5	11.2	18.9	2.9	1.0	1.0	1.8	(s)	6.7	R 0.3	0.0	5.4	R 42.5	13.5	R 56.0
1965	7.1	0.3	7.4	21.9	3.4	1.8	1.1	1.4	(s)	7.8	R 0.2	0.0	7.4	R 44.7	17.6	R 62.4
1970	7.8	0.2	8.0	43.2	4.9	2.3	2.2	1.4	0.1	10.9	R 0.2	0.0	11.8	R 74.0	28.6	R 102.7
1975	4.3	0.1	4.3	38.8	5.3	1.2	2.5	1.4	(s)	10.5	R 0.2	0.0	22.1	R 76.0	53.4	R 129.4
1980	4.3	0.1	4.4	39.7	15.3	3.5	1.3	1.3	0.1	21.6	R 0.2	0.0	28.8	R 94.7	70.0	R 164.7
1985	3.9	0.0	3.9	34.8	8.9	0.5	1.0	2.0	(s)	12.4	NA	0.0	32.3	83.4	75.9	159.3
1986	4.7	0.0	4.7	33.9	6.0	0.8	1.1	2.1	0.2	10.2	NA	0.0	33.8	82.6	77.8	160.4
1987	4.5	(s)	4.6	34.5	3.1	0.4	1.5	2.2	(s)	7.2	NA	0.0	35.0	81.3	79.9	161.2
1988	5.7	(s)	5.7	37.0	5.7	0.8	1.4	2.1	0.2	10.2	NA	0.0	36.9	89.9	83.5	173.4
1989	3.6	(s)	3.6	37.6	3.8	0.9	1.4	2.1	(s)	8.2	NA	0.0	38.9	88.3	87.3	175.6
1990	2.4	(s)	2.4	33.1	3.8	0.5	1.2	2.3	(s)	7.9	NA	0.0	40.1	83.4	87.6	171.0
1991	3.0	(s)	3.0	35.3	4.2	0.6	1.4	1.7	0.0	7.8	NA	0.0	43.0	89.1	R 93.7	182.8
1992	3.4	(s)	3.4	37.5	5.1	0.3	1.3	1.5	0.0	8.2	NA	0.0	41.6	90.7	88.9	179.6
1993	4.2	(s)	4.3	39.6	3.9	0.4	1.5	0.2	(s)	6.0	R 0.9	0.0	43.0	R 93.9	90.9	R 184.7
1994	4.6	(s)	4.6	39.0	5.8	0.4	1.5	0.2	(s)	7.8	R 0.9	0.1	44.2	R 96.7	92.2	R 189.0
1995	2.1	0.0	2.1	42.3	7.0	0.7	1.4	0.2	0.0	9.3	R 0.9	0.1	46.1	R 101.0	96.1	R 197.1
1996	1.9	0.0	1.9	43.0	7.0	0.6	1.7	0.2	(s)	9.6	R 1.0	0.1	46.9	R 102.5	97.5	R 200.0
1997	5.4	(s)	5.4	40.6	5.8	0.6	1.7	0.2	0.0	8.3	0.9	0.2	52.0	107.3	108.0	215.3

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels.

^c Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^d Small amounts of solar energy consumed in the commercial sector cannot be separately identified and are included in residential consumption.

R=Revised data.

-=Not applicable. NA=Not available.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 122. Industrial Energy Consumption Estimates, Selected Years 1960-1997, Kentucky

Year	Coal	Natural Gas ^a	Petroleum										Hydro-electric Power ^b	Wood and Waste	Other ^{b,d}	Electricity ^b	Net Energy	Electrical System Energy Losses ^e	
			Asphalt and Road Oil ^b	Distillate Fuel ^b	Kerosene ^b	LPG ^b	Lubricants ^b	Motor Gasoline	Residual Fuel ^b	Other ^{b,c}	Total								
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels											Other ^{b,d}	Million kWh	Million kWh	Million kWh	Total	
1960	3,754	46	1,482	1,558	512	2,476	138	485	289	2,556	9,495	0	-	-	23,818	-	59,243	-	
1965	4,879	58	2,112	1,987	397	3,957	346	430	536	4,382	14,148	0	-	-	20,893	-	49,884	-	
1970	4,325	75	3,090	2,078	608	5,562	474	209	786	7,672	20,479	0	-	-	20,586	-	49,887	-	
1975	2,898	66	2,622	3,346	293	6,511	518	195	2,059	9,178	24,721	0	-	-	31,006	-	74,790	-	
1980	3,058	66	2,021	6,433	539	7,784	539	89	857	13,775	32,035	0	-	-	28,280	-	68,767	-	
1985	3,732	63	1,872	5,622	582	3,574	490	843	621	7,509	21,114	0	-	-	26,564	-	62,409	-	
1986	3,358	55	2,285	4,987	267	3,098	479	822	707	6,992	19,638	0	-	-	24,476	-	56,301	-	
1987	3,228	58	2,701	5,456	136	3,904	542	845	851	8,555	22,992	0	-	-	24,459	-	55,887	-	
1988	3,083	63	2,616	5,221	189	4,121	523	784	530	8,988	22,972	0	-	-	26,446	-	59,789	-	
1989	3,542	66	2,764	4,787	196	3,641	536	839	473	8,816	22,055	f NA	-	-	30,173	-	R 67,793	-	
1990	3,431	72	3,032	5,211	152	3,941	552	848	544	9,749	24,029	NA	-	-	32,543	-	R 71,180	-	
1991	2,898	74	2,801	5,226	72	4,125	493	865	458	18,234	32,274	NA	-	-	32,939	-	R 71,704	-	
1992	2,777	76	2,537	5,792	82	3,986	503	861	422	20,910	35,093	NA	-	-	37,084	-	R 79,210	-	
1993	3,565	79	2,550	5,257	138	2,997	512	1,043	334	19,702	32,532	NA	-	-	36,320	-	76,737	-	
1994	3,241	86	2,843	6,400	99	2,909	535	1,114	328	20,458	34,686	NA	-	-	40,049	-	R 83,571	-	
1995	3,679	93	2,778	6,614	115	2,902	526	1,168	204	19,868	34,174	NA	-	-	40,490	-	R 84,354	-	
1996	3,674	97	2,714	6,181	121	3,411	511	1,199	247	21,283	35,668	NA	-	-	41,930	-	R 87,264	-	
1997	3,593	98	3,417	6,019	136	3,482	540	1,230	169	21,898	36,891	NA	-	-	40,600	-	84,315	-	
Trillion Btu																			
1960	95.9	47.7	9.8	9.1	2.9	9.9	0.8	2.5	1.8	15.2	52.1	0.0	R 7.3	0.0	81.3	R 284.3	202.1	R 486.4	
1965	123.9	60.0	14.0	11.6	2.3	15.9	2.1	2.3	3.4	25.1	76.5	0.0	R 10.2	0.0	71.3	R 342.0	170.2	R 512.2	
1970	105.9	76.1	20.5	12.1	3.4	21.0	2.9	1.1	4.9	43.9	109.9	0.0	R 13.4	0.0	70.2	R 375.6	170.2	R 545.8	
1975	71.1	66.6	17.4	19.5	1.7	24.2	3.1	1.0	12.9	52.7	132.6	0.0	R 19.8	0.0	105.8	R 395.9	255.2	R 651.1	
1980	76.1	66.4	13.4	37.5	3.1	28.6	3.3	0.5	5.4	77.8	169.4	0.0	R 11.1	0.0	96.5	R 419.6	234.6	R 654.2	
1985	94.2	65.1	12.4	32.8	3.3	12.9	3.0	4.4	3.9	43.8	116.5	0.0	R 13.0	0.0	90.6	R 379.4	212.9	R 592.4	
1986	85.1	56.6	15.2	29.0	1.5	11.3	2.9	4.3	4.4	41.3	110.0	0.0	R 21.5	0.0	83.5	R 356.8	192.1	R 548.9	
1987	82.8	59.9	17.9	31.8	0.8	14.3	3.3	4.4	5.4	50.3	128.1	0.0	R 21.4	0.0	83.5	R 375.7	190.7	R 566.3	
1988	79.3	65.4	17.4	30.4	1.1	15.0	3.2	4.1	3.3	52.9	127.4	0.0	R 22.3	0.0	90.2	R 384.7	204.0	R 588.7	
1989	90.3	68.9	18.3	27.9	1.1	13.4	3.3	4.4	3.0	51.7	123.1	f 0.0	R f 18.8	f 0.0	102.9	R f 404.1	R 231.3	R f 635.4	
1990	87.1	74.4	20.1	30.4	0.9	14.3	3.3	4.5	3.4	57.3	134.1	0.0	R 11.3	0.0	111.0	R 418.0	242.9	R 660.8	
1991	73.8	77.6	18.6	30.4	0.4	14.9	3.0	4.5	2.9	103.2	177.9	0.0	11.7	0.0	112.4	R 453.4	R 244.7	698.0	
1992	71.3	80.9	16.8	33.7	0.5	14.4	3.1	4.5	2.7	118.2	193.9	0.0	R 12.3	0.0	126.5	R 484.9	270.3	R 755.1	
1993	90.9	83.1	16.9	30.6	0.8	10.8	3.1	5.5	2.1	111.1	181.0	0.0	R 12.5	0.0	123.9	R 491.3	261.8	R 753.1	
1994	82.8	91.2	18.9	37.3	0.6	10.6	3.2	5.8	2.1	115.5	193.9	0.0	R 13.7	0.0	136.6	R 518.2	285.1	R 803.4	
1995	94.2	102.4	18.4	38.5	0.7	10.5	3.2	6.1	1.3	112.2	190.9	0.0	R 14.4	0.0	138.2	R 540.1	287.8	R 828.0	
1996	93.7	101.7	18.0	36.0	0.7	12.3	3.1	6.3	1.6	119.9	197.9	0.0	R 15.0	0.0	143.1	R 551.4	R 297.7	R 849.1	
1997	91.1	103.1	22.7	35.1	0.8	12.6	3.3	6.5	1.1	123.4	205.3	0.0	15.4	0.0	138.5	553.5	287.7	841.2	

^a Includes supplemental gaseous fuels.^b The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.^c "Other" is the subtotal of 16 petroleum products. See a full description in Appendix A, Section 4, "Other Petroleum Products."^d "Other" is geothermal, wind, photovoltaic, and solar thermal energy. See Appendix A, Section 5, for explanation of estimation methodology.^e Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for

electrical system energy losses.

^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

R=Revised data.

kWh=kilowatthours. -=Not applicable. NA=Not available.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 123. Transportation Energy Consumption Estimates, Selected Years 1960-1997, Kentucky

Year	Coal ^a	Natural Gas ^b	Petroleum									Ethanol ^c	Electricity ^a	Electrical System Energy Losses ^d	Total ^c	
			Aviation Gasoline ^a	Distillate Fuel ^a	Jet Fuel ^a	LPG ^a	Lubricants ^a	Motor Gasoline	Residual Fuel ^a	Total						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels								Thousand Gallons	Million Kilowatthours	Net Energy	Million Kilowatthours		
1960	60	19	652	2,549	497	34	405	20,715	35	24,886	0	0	—	0	—	—
1965	15	28	1,052	2,725	1,284	36	409	25,082	42	30,630	0	0	—	0	—	—
1970	7	36	330	4,891	3,089	54	368	33,109	145	41,986	0	0	—	0	—	—
1975	(s)	24	129	6,215	2,150	66	530	40,346	2	49,437	0	0	—	0	—	—
1980	0	21	112	12,795	2,897	13	518	39,490	136	55,961	0	0	—	0	—	—
1985	0	14	66	13,530	3,434	98	471	38,704	0	56,304	0	0	—	0	—	—
1986	0	20	85	13,488	3,549	81	461	41,291	0	58,955	0	0	—	0	—	—
1987	0	21	62	13,559	4,827	71	521	41,804	0	60,844	0	0	—	0	—	—
1988	0	21	62	17,407	4,985	73	503	42,945	0	65,974	0	0	—	0	—	—
1989	0	21	53	21,724	5,071	73	516	42,196	0	69,632	R e 20,720	0	—	0	—	—
1990	0	25	51	16,685	5,713	65	531	41,748	0	64,792	23,930	0	—	0	—	—
1991	0	20	51	15,793	6,368	52	475	42,583	0	65,322	18,969	0	—	0	—	—
1992	0	16	55	17,969	6,882	57	484	43,648	0	69,095	23,054	0	—	0	—	—
1993	0	19	40	21,040	5,705	56	493	44,674	0	72,008	25,728	0	—	0	—	—
1994	0	23	46	19,519	6,343	93	515	45,027	0	71,542	10,758	0	—	0	—	—
1995	0	25	44	20,228	6,305	47	506	46,894	0	74,024	5,332	0	—	0	—	—
1996	0	26	47	19,980	5,590	47	491	42,303	0	68,458	5,544	0	—	0	—	—
1997	0	23	28	21,364	4,556	42	519	48,904	0	75,414	6,791	0	—	0	—	—
Trillion Btu																
1960	1.5	19.6	3.3	14.8	2.7	0.1	2.5	108.8	0.2	132.5	0.0	0.0	153.5	0.0	153.5	—
1965	0.4	28.4	5.3	15.9	7.2	0.1	2.5	131.8	0.3	163.0	0.0	0.0	191.8	0.0	191.8	—
1970	0.2	36.3	1.7	28.5	17.4	0.2	2.2	173.9	0.9	224.8	0.0	0.0	261.3	0.0	261.3	—
1975	(s)	23.7	0.6	36.2	12.1	0.2	3.2	211.9	(s)	264.4	0.0	0.0	288.1	0.0	288.1	—
1980	0.0	21.1	0.6	74.5	16.3	(s)	3.1	207.4	0.9	302.9	0.0	0.0	324.0	0.0	324.0	—
1985	0.0	14.7	0.3	78.8	19.3	0.4	2.9	203.3	0.0	305.0	0.0	0.0	319.8	0.0	319.8	—
1986	0.0	20.9	0.4	78.6	20.0	0.3	2.8	216.9	0.0	319.0	0.0	0.0	339.9	0.0	339.9	—
1987	0.0	22.2	0.3	79.0	27.3	0.3	3.2	219.6	0.0	329.6	0.0	0.0	351.8	0.0	351.8	—
1988	0.0	21.6	0.3	101.4	28.2	0.3	3.0	225.6	0.0	358.8	R e 1.6	0.0	380.4	0.0	380.4	—
1989	0.0	21.4	0.3	126.5	28.7	0.3	3.1	221.7	0.0	380.5	R e 1.6	0.0	402.0	0.0	402.0	—
1990	0.0	25.6	0.3	97.2	32.3	0.2	3.2	219.3	0.0	352.5	1.8	0.0	378.1	0.0	378.1	—
1991	0.0	20.9	0.3	92.0	36.0	0.2	2.9	223.7	0.0	355.1	1.4	0.0	376.0	0.0	376.0	—
1992	0.0	16.8	0.3	104.7	38.9	0.2	2.9	229.3	0.0	376.3	1.8	0.0	393.1	0.0	393.1	—
1993	0.0	19.9	0.2	122.6	32.3	0.2	3.0	234.7	0.0	392.9	2.0	0.0	412.8	0.0	412.8	—
1994	0.0	24.3	0.2	113.7	35.9	0.3	3.1	236.5	0.0	389.8	0.8	0.0	414.1	0.0	414.1	—
1995	0.0	27.4	0.2	117.8	35.7	0.2	3.1	246.3	0.0	403.4	0.4	0.0	430.8	0.0	430.8	—
1996	0.0	27.8	0.2	116.4	31.7	0.2	3.0	222.2	0.0	373.7	0.4	0.0	401.5	0.0	401.5	—
1997	0.0	24.0	0.1	124.4	25.8	0.2	3.1	256.9	0.0	410.6	0.5	0.0	434.6	0.0	434.6	—

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels. Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, is also gas consumed as vehicle fuel.

^c Ethanol blended into motor gasoline, which is accounted for under motor gasoline, is shown separately here to display the use of renewable energy by the transportation sector and is included only once in the total.

^d Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^e There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

R=Revised data.

—=Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 124. Estimates of Energy Input at Electric Utilities, Selected Years 1960-1997, Kentucky

Year	Coal			Natural Gas ^a	Petroleum				Nuclear Electric Power	Hydroelectric Power ^e	Wood and Waste	Geothermal Energy	Other ^{b,f}	Total ^g				
	Bituminous Coal and Lignite	Anthracite	Total		Heavy Oil ^{b,c}	Light Oil ^{b,d}	Petroleum Coke ^b	Total										
	Billion Cubic Feet			Thousand Barrels				Million Kilowatthours										
Year	Thousand Short Tons			Billion Cubic Feet	Thousand Barrels				Million Kilowatthours									
1960	7,466	0	7,466	2	9	(s)	0	10	0	2,633	0	0	0	0	-			
1965	12,210	0	12,210	(s)	14	(s)	0	14	0	2,464	0	0	0	0	-			
1970	18,698	0	18,698	9	121	4	0	124	0	3,174	0	0	0	0	-			
1975	22,366	0	22,366	(s)	100	7	0	108	0	3,463	0	0	0	0	-			
1980	24,383	0	24,383	2	0	227	0	227	0	2,940	0	0	0	0	-			
1985	27,085	0	27,085	1	0	270	0	270	0	2,941	0	0	0	0	-			
1986	28,535	0	28,535	(s)	0	236	0	236	0	2,734	0	0	0	0	-			
1987	28,569	0	28,569	(s)	0	225	0	225	0	2,948	0	0	0	0	-			
1988	31,818	0	31,818	(s)	0	202	0	202	0	2,423	0	0	0	0	-			
1989	29,109	0	29,109	(s)	0	230	0	230	0	4,404	0	0	0	0	-			
1990	30,867	0	30,867	(s)	0	212	0	212	0	3,160	0	0	0	0	-			
1991	31,432	0	31,432	(s)	0	228	0	228	0	3,658	0	0	0	0	-			
1992	31,715	0	31,715	(s)	0	195	0	195	0	3,767	0	0	0	0	-			
1993	35,264	0	35,264	(s)	0	214	0	214	0	3,155	0	0	0	0	-			
1994	34,564	0	34,564	(s)	0	317	0	317	0	4,014	0	0	0	0	-			
1995	35,707	0	35,707	1	0	282	0	282	0	3,423	0	0	0	0	-			
1996	37,071	0	37,071	2	0	308	0	308	0	3,497	0	0	0	0	-			
1997	38,281	0	38,281	2	0	266	0	266	0	3,380	0	0	0	0	-			
Trillion Btu																		
1960	171.5	0.0	171.5	2.4	0.1	(s)	0.0	0.1	0.0	28.3	0.0	0.0	0.0	0.0	202.3			
1965	279.5	0.0	279.5	0.5	0.1	(s)	0.0	0.1	0.0	25.8	0.0	0.0	0.0	0.0	305.8			
1970	408.6	0.0	408.6	8.7	0.8	(s)	0.0	0.8	0.0	33.3	0.0	0.0	0.0	0.0	451.3			
1975	480.4	0.0	480.4	0.3	0.6	(s)	0.0	0.7	0.0	36.0	0.0	0.0	0.0	0.0	517.4			
1980	558.8	0.0	558.8	1.9	0.0	1.3	0.0	1.3	0.0	30.5	0.0	0.0	0.0	0.0	592.6			
1985	616.7	0.0	616.7	1.1	0.0	1.6	0.0	1.6	0.0	30.7	0.0	0.0	0.0	0.0	650.2			
1986	657.6	0.0	657.6	0.4	0.0	1.4	0.0	1.4	0.0	28.6	0.0	0.0	0.0	0.0	688.0			
1987	656.9	0.0	656.9	0.3	0.0	1.3	0.0	1.3	0.0	30.7	0.0	0.0	0.0	0.0	689.2			
1988	733.6	0.0	733.6	0.5	0.0	1.2	0.0	1.2	0.0	25.0	0.0	0.0	0.0	0.0	760.3			
1989	669.1	0.0	669.1	0.3	0.0	1.3	0.0	1.3	0.0	45.9	0.0	0.0	0.0	0.0	716.7			
1990	713.5	0.0	713.5	0.3	0.0	1.2	0.0	1.2	0.0	32.9	0.0	0.0	0.0	0.0	747.9			
1991	726.2	0.0	726.2	0.2	0.0	1.3	0.0	1.3	0.0	R 38.2	0.0	0.0	0.0	0.0	765.9			
1992	737.1	0.0	737.1	0.3	0.0	1.1	0.0	1.1	0.0	39.0	0.0	0.0	0.0	0.0	777.4			
1993	825.0	0.0	825.0	0.3	0.0	1.2	0.0	1.2	0.0	32.5	0.0	0.0	0.0	0.0	859.0			
1994	807.6	0.0	807.6	0.4	0.0	1.8	0.0	1.8	0.0	41.4	0.0	0.0	0.0	0.0	851.2			
1995	830.2	0.0	830.2	0.9	0.0	1.6	0.0	1.6	0.0	35.3	0.0	0.0	0.0	0.0	868.0			
1996	855.3	0.0	855.3	1.9	0.0	1.8	0.0	1.8	0.0	R 36.1	0.0	0.0	0.0	0.0	895.1			
1997	885.9	0.0	885.9	2.2	0.0	1.5	0.0	1.5	0.0	34.9	0.0	0.0	0.0	0.0	924.5			

^a Includes supplemental gaseous fuels.^b The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.^c Prior to 1980, based on oil used in steam plants. Since 1980, heavy oil includes fuel oil nos. 4, 5, and 6 and residual fuel oils.^d Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. Since 1980, light oil includes fuel oil nos. 1 and 2, kerosene, and jet fuel.^e If applicable, through 1989, includes all net imports of electricity, and, from 1990, includes only the portion of imports of electricity that is derived from hydroelectric power.^f "Other" is electricity generated for distribution from wind, photovoltaic, and solar thermal energy.^g If applicable, from 1990, includes net imports of electricity generated from nonrenewable energy sources not shown in other columns. See data in appendix Table A8.

R=Revised data.

- =Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.